

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		375/344.ccls. and (receiv\$5 adj frequency adj range\$)	US-PGPUB; USPAT	OR	ON	2002/02/08 14:26
		375/344.ccls. and (compar\$5 adj frequency adj range\$)	US-PGPUB; USPAT	OR	ON	2002/02/08 13:25
		375/344.ccls. and (compar\$5 adj predetermin\$5 adj frequency adj range\$)	US-PGPUB; USPAT	OR	ON	2002/02/08 13:25
		375/344.ccls. and (predetermin\$5 adj frequency adj range\$)	US-PGPUB; USPAT	OR	ON	2002/02/08 14:25
		375/344.ccls. and (frequency adj range\$)	US-PGPUB; USPAT	OR	ON	2002/02/08 14:21
		375/344.ccls. and (reception adj frequency adj range\$)	US-PGPUB; USPAT	OR	ON	2002/02/08 13:09
		("375"/\$.CCLS. and (frequency adj synthesiz\$5)) and (fm adj receiver\$) and (frequency adj control\$)	US-PGPUB; USPAT	OR	ON	2002/02/08 13:07
		("375"/\$.CCLS. and (frequency adj synthesiz\$5)) and (frequency adj reception adj range\$)	US-PGPUB; USPAT	OR	ON	2002/02/08 11:40
		("375"/\$.CCLS. and (frequency adj synthesiz\$5)) and (frequency adj comparat\$5) and (frequency adj reception adj range\$)	US-PGPUB; USPAT	OR	ON	2002/02/08 11:39
		("375"/\$.CCLS. and (frequency adj synthesiz\$5)) and (frequency adj comparat\$5) and (frequency adj range\$)	US-PGPUB; USPAT	OR	ON	2002/02/08 11:38
		331/1A.ccls. and (frequency adj range\$)	US-PGPUB; USPAT	OR	ON	2002/02/08 11:13
		331/1A.ccls. and (frequency adj reception adj range\$)	US-PGPUB; USPAT	OR	ON	2002/02/08 11:13
		331/1A.ccls. and (frequency adj compar\$5) and (frequency adj reception adj range\$)	US-PGPUB; USPAT	OR	ON	2002/02/08 10:46
		(331/1A.ccls. and (frequency adj compar\$5)) and (frequency adj range\$)	US-PGPUB; USPAT	OR	ON	2002/02/08 10:19
		(331/1A.ccls. and (frequency adj compar\$5)) and (frequency adj index\$)	US-PGPUB; USPAT	OR	ON	2002/02/08 10:19
		375/344.ccls. and (frequency adj control\$)	US-PGPUB; USPAT	OR	ON	2002/02/07 10:57

		((frequency adj control\$4 adj oscillator\$) and (tun\$5 and oscillator\$)) and ((phase\$3lock\$2 adj loop\$) or PLL or (phase adj locked adj loop\$))	US-PGPUB; USPAT	OR	ON	2002/02/07 09:30
		VCO\$ and (Phase\$lock\$3 adj loop\$) and (frequency adj compar\$) and receiver\$	US-PGPUB; USPAT	OR	ON	2002/02/07 09:24
		((375/344.ccls. and (frequency adj control\$)) and (local adj oscillator\$) and receiver\$) and (Phase\$lock\$3 adj loop\$) and (frequency adj compar\$) and receiver\$	US-PGPUB; USPAT	OR	ON	2002/02/07 09:18
		((375/344.ccls. and (frequency adj control\$)) and (local adj oscillator\$) and receiver\$) and (Phase\$lock\$3 adj loop\$) and (frequency adj compar\$)	US-PGPUB; USPAT	OR	ON	2002/02/07 09:16
		(375/344.ccls. and (frequency adj control\$)) and (phase adj lock\$3 adj loop\$) and (frequency adj comparat\$5)	US-PGPUB; USPAT	OR	ON	2002/02/07 09:05
		(375/344.ccls. and (frequency adj control\$)) and (phase adj lock\$3 adj loop\$)	US-PGPUB; USPAT	OR	ON	2002/02/07 09:01
		(375/344.ccls. and (frequency adj control\$)) and (phase adj lock\$3 adj loop\$)	US-PGPUB; USPAT	OR	ON	2002/02/07 08:36
		375/344.ccls. and (frequency adj control\$)	US-PGPUB; USPAT	OR	ON	2002/02/07 11:18
L1	9	455/164.2.ccls. and (compar\$5 near3 threshold)	US-PGPUB; USPAT	OR	ON	2006/01/23 09:06
L2	1	"4498191".pn.	US-PGPUB; USPAT	OR	ON	2006/01/23 09:04
L3	1	"4542533".pn.	US-PGPUB; USPAT	OR	ON	2006/01/23 09:05
L4	1	455/164.2.ccls. and (compar\$5 near3 (center adj frequenc\$3))	US-PGPUB; USPAT	OR	ON	2006/01/23 09:08
L5	0	455/161.1.ccls. and (compar\$5 near3 (center adj frequenc\$3))	US-PGPUB; USPAT	OR	ON	2006/01/23 09:08
L6	1	455/161.1.ccls. and (compar\$5 with (center adj frequenc\$3))	US-PGPUB; USPAT	OR	ON	2006/01/23 09:09
L7	2	455/161.2.ccls. and (compar\$5 with (center adj frequenc\$3))	US-PGPUB; USPAT	OR	ON	2006/01/23 09:18
L8	4	455/161.3.ccls. and (compar\$5 with (center adj frequenc\$3))	US-PGPUB; USPAT	OR	ON	2006/01/23 09:10
L9	1	455/161.3.ccls. and ((center adj frequenc\$3) near3 (frequency adj range))	US-PGPUB; USPAT	OR	ON	2006/01/23 09:10

L10	0	455/160.1.ccls. and ((center adj frequenc\$3) near3 (frequency adj range))	US-PGPUB; USPAT	OR	ON	2006/01/23 09:11
L11	1	455/164.1.ccls. and ((center adj frequenc\$3) near3 (frequency adj range))	US-PGPUB; USPAT	OR	ON	2006/01/23 09:12
L12	2	455/165.1.ccls. and ((center adj frequenc\$3) near3 (frequency adj range))	US-PGPUB; USPAT	OR	ON	2006/01/23 09:14
L13	9	"4660084"	US-PGPUB; USPAT	OR	ON	2006/01/23 09:15
L14	7	"4276566"	US-PGPUB; USPAT	OR	ON	2006/01/23 09:17
L15	1	"5349700".pn.	US-PGPUB; USPAT	OR	ON	2006/01/23 09:17
L16	2	"455"/\$.ccls. and (compar\$5 with (center adj frequenc\$3)) and (television adj tuner)	US-PGPUB; USPAT	OR	ON	2006/01/23 09:20
L17	12	"455"/\$.ccls. and (compar\$5 with (center adj frequenc\$3)) and (frequency adj scan\$6)	US-PGPUB; USPAT	OR	ON	2006/01/23 09:37
L18	1	"455"/\$.ccls. and (compar\$5 with (center adj frequenc\$3)) same (frequency adj scan\$6)	US-PGPUB; USPAT	OR	ON	2006/01/23 09:38
L19	26	"455"/\$.ccls. and ((compar\$5 with (center adj frequenc\$3)) same (tuning))	US-PGPUB; USPAT	OR	ON	2006/01/23 09:39
L20	5	"455"/\$.ccls. and ((compar\$5 with (center adj frequenc\$3)) same (tuning adj range))	US-PGPUB; USPAT	OR	ON	2006/01/23 09:42
L21	66	"455"/\$.ccls. and ((comp\$5 with (center adj frequenc\$3)) same (local adj oscillator))	US-PGPUB; USPAT	OR	ON	2006/01/23 09:45
L22	16	"455"/\$.ccls. and ((compar\$5 with (center adj frequenc\$3)) same (local adj oscillator))	US-PGPUB; USPAT	OR	ON	2006/01/23 09:46
L23	0	"455"/\$.ccls. and ((compar\$5 with (center adj frequenc\$3)) same (input adj channel))	US-PGPUB; USPAT	OR	ON	2006/01/23 09:47
L24	725	"455"/\$.ccls. and (tun\$5 with (center adj frequenc\$3))	US-PGPUB; USPAT	OR	ON	2006/01/23 09:47
L25	265	"455"/\$.ccls. and (tun\$5 near (center adj frequenc\$3))	US-PGPUB; USPAT	OR	ON	2006/01/23 09:47
L26	265	"455"/\$.ccls. and (tun\$5 near (center adj frequenc\$3))	US-PGPUB; USPAT	OR	ON	2006/01/23 09:50
L27	12	"455"/\$.ccls. and (tun\$5 near (center adj frequenc\$3) with (frequency adj range) )	US-PGPUB; USPAT	OR	ON	2006/01/23 09:52

L28	0	"455"/\$.ccls. and (tun\$5 near (center adj frequenc\$3) with (frequency adj range) ) and (homodyne)	US-PGPUB; USPAT	OR	ON	2006/01/23 09:53
L29	262	"455"/\$.ccls. and ((center adj frequenc\$3) with (frequency adj range) )	US-PGPUB; USPAT	OR	ON	2006/01/23 09:53
L30	0	"455"/\$.ccls. and ((center adj frequenc\$3) with (frequency adj range) near3 (threshold) )	US-PGPUB; USPAT	OR	ON	2006/01/23 09:54
L31	7	"455"/\$.ccls. and ((compar\$5 near3 threshold) with (frequency adj range) )	US-PGPUB; USPAT	OR	ON	2006/01/23 09:54
L32	0	"455"/\$.ccls. and ((compar\$5 near3 input near3 reference) with (frequency adj range) )	US-PGPUB; USPAT	OR	ON	2006/01/23 09:55
L33	4	"455"/\$.ccls. and ((compar\$5 near3 (reference adj frequency)) with (frequency adj range) )	US-PGPUB; USPAT	OR	ON	2006/01/23 09:56
L34	0	"455"/\$.ccls. and (wideband adj FM adj receiver)	US-PGPUB; USPAT	OR	ON	2006/01/23 09:57
L35	0	"455"/324.ccls. and (wideband adj FM adj receiver)	US-PGPUB; USPAT	OR	ON	2006/01/23 09:57
L36	22	"455"/324.ccls. and (tuner)	US-PGPUB; USPAT	OR	ON	2006/01/23 09:58
L37	3	"455"/324.ccls. and (television adj tuner)	US-PGPUB; USPAT	OR	ON	2006/01/23 09:58
L38	0	"455"/324.ccls. and (UHF adj tuner)	US-PGPUB; USPAT	OR	ON	2006/01/23 09:59
L39	0	"455"/324.ccls. and (vhf adj tuner)	US-PGPUB; USPAT	OR	ON	2006/01/23 09:59
L40	1	"455"/324.ccls. and (fm adj tuner)	US-PGPUB; USPAT	OR	ON	2006/01/23 09:59
L41	186	"455"/\$.ccls. and ((fm adj tuner) same (frequency scan\$5))	US-PGPUB; USPAT	OR	ON	2006/01/23 10:00
L42	132	"455"/\$.ccls. and ((fm adj tuner) with (frequency scan\$5))	US-PGPUB; USPAT	OR	ON	2006/01/23 10:01
L43	2	"455"/\$.ccls. and ((fm adj tuner) same ((center adj frequency) near2 fm))	US-PGPUB; USPAT	OR	ON	2006/01/23 10:09
L44	137	"455"/\$.ccls. and ((center adj frequency) near2 fm)	US-PGPUB; USPAT	OR	ON	2006/01/23 10:09
L45	1	"455"/\$.ccls. and (compar\$5 near3 ((center adj frequency) near2 fm))	US-PGPUB; USPAT	OR	ON	2006/01/23 10:10
L46	3	"455"/\$.ccls. and (compar\$5 with ((center adj frequency) near2 fm))	US-PGPUB; USPAT	OR	ON	2006/01/23 10:11
L47	0	"455"/\$.ccls. and ((coarse adj tun\$5) same ((center adj frequency) near2 fm))	US-PGPUB; USPAT	OR	ON	2006/01/23 10:12

L48	0	"455"/\$.ccls. and ((coarse adj tun\$5) and ((center adj frequency) near2 fm))	US-PGPUB; USPAT	OR	ON	2006/01/23 10:11
L49	26	"455"/\$.ccls. and ((tun\$5) same ((center adj frequency) near2 fm))	US-PGPUB; USPAT	OR	ON	2006/01/23 10:15
L50	3	"455"/\$.ccls. and ((tun\$5) same ((center adj frequency) near2 fm) same (frequency adj offset))	US-PGPUB; USPAT	OR	ON	2006/01/23 10:17
L51	52	"455"/\$.ccls. and ((center adj frequency) same (frequency adj offset) same (local adj oscillator))	US-PGPUB; USPAT	OR	ON	2006/01/23 10:25
L52	4	"455"/\$.ccls. and ((center adj frequency) same (frequency adj offset) same (add\$5 adj (frequency adj offset)))	US-PGPUB; USPAT	OR	ON	2006/01/23 10:26
L53	0	"455"/\$.ccls. and ((center adj frequency) and (frequency adj offset) and (add\$5 adj (frequency adj offset))) and (FM adj tuner)	US-PGPUB; USPAT	OR	ON	2006/01/23 10:27
L54	0	"455"/\$.ccls. and ((center adj frequency) and (frequency adj offset) and (add\$5 adj (frequency adj offset))) and (television adj tuner)	US-PGPUB; USPAT	OR	ON	2006/01/23 10:27
S1	15	375/344.ccls. and (superheterodyne adj receiver\$)	US-PGPUB; USPAT	OR	ON	2002/08/02 17:02
S2	129	(375/344.ccls. and (frequency adj control\$)) and (local adj oscillator\$) and receiver\$	US-PGPUB; USPAT	OR	ON	2002/02/07 09:05
S3	474	frequency adj control\$4 adj oscillator\$	US-PGPUB; USPAT	OR	ON	2002/02/07 09:30
S4	0	(frequency adj control\$4 adj oscillator\$) and (compar\$5 adj threshold adj frequenc\$3)	US-PGPUB; USPAT	OR	ON	2002/02/07 09:27
S5	204	(frequency adj control\$4 adj oscillator\$) and (tun\$5 and oscillator\$)	US-PGPUB; USPAT	OR	ON	2002/02/07 09:27
S6	63	"375"/\$.ccls. and (frequency adj control\$4 adj oscillator\$)	US-PGPUB; USPAT	OR	ON	2002/02/07 09:38
S7	0	"375"/\$.ccls. and (frequency adj control\$4 adj oscillator\$) and (frequency adj compar\$5)	US-PGPUB; USPAT	OR	ON	2002/02/07 09:40
S8	3	"375"/\$.ccls. and (frequency adj control\$4 adj oscillator\$) and (frequency adj compar\$5)	US-PGPUB; USPAT	OR	ON	2002/02/07 09:44
S9	0	375/344.ccls. and (frequency adj control\$4 adj oscillator\$) and (frequency adj compar\$5)	US-PGPUB; USPAT	OR	ON	2002/02/07 09:45
S10	7	375/344.ccls. and (frequency adj control\$4 adj oscillator\$)	US-PGPUB; USPAT	OR	ON	2002/02/07 09:55

S11	11	331/34.ccls. and (frequency adj control\$4 adj oscillator\$)	US-PGPUB; USPAT	OR	ON	2002/02/07 10:01
S12	2	331/34.ccls. and (frequency adj control\$4 adj oscillator\$) and receiver\$	US-PGPUB; USPAT	OR	ON	2002/02/07 10:42
S13	56	"331"/\$.ccls. and (frequency adj control\$4 adj oscillator\$) and receiver\$	US-PGPUB; USPAT	OR	ON	2002/02/07 10:05
S14	451	331/34.ccls.	US-PGPUB; USPAT	OR	ON	2002/02/07 10:44
S15	516	375/344.ccls.	US-PGPUB; USPAT	OR	ON	2002/02/07 10:56
S16	0	(superheterodyne adj receiver) and (local adj oscillator\$) and (frequency adj mixer\$)	US-PGPUB; USPAT	OR	ON	2002/02/07 11:19
S17	71	(superheterodyne adj receiver\$) and (local adj oscillator\$) and (frequency adj mixer\$)	US-PGPUB; USPAT	OR	ON	2002/02/07 11:30
S18	49	(superheterodyne adj receiver\$) and (local adj oscillator\$) and (frequency adj mixer\$) and tun\$4	US-PGPUB; USPAT	OR	ON	2002/02/07 11:31
S19	1193	331/1A.ccls.	US-PGPUB; USPAT	OR	ON	2002/02/08 11:08
S20	168	331/1A.ccls. and (frequency adj compar\$5)	US-PGPUB; USPAT	OR	ON	2002/02/08 15:44
S21	13	(331/1A.ccls. and (frequency adj compar\$5)) and (tun\$4 adj oscillator\$)	US-PGPUB; USPAT	OR	ON	2002/02/08 09:39
S22	25	(331/1A.ccls. and (frequency adj range\$)) and (channel adj frequenc\$5)	US-PGPUB; USPAT	OR	ON	2002/02/08 15:37
S23	0	375/CCLS. and (frequency adj synthesiz\$5)	US-PGPUB; USPAT	OR	ON	2002/02/08 11:32
S24	1106	"375"/\$.CCLS. and (frequency adj synthesiz\$5)	US-PGPUB; USPAT	OR	ON	2002/02/08 11:32
S25	16	("375"/\$.CCLS. and (frequency adj synthesiz\$5)) and (frequency adj comparat\$5)	US-PGPUB; USPAT	OR	ON	2002/02/08 11:34
S26	38	("375"/\$.CCLS. and (frequency adj synthesiz\$5)) and (fm adj receiver\$)	US-PGPUB; USPAT	OR	ON	2002/02/08 11:52
S27	516	375/344.ccls.	US-PGPUB; USPAT	OR	ON	2002/02/08 13:07
S28	71	(375/344.ccls. and (frequency adj range\$)) and (frequency adj control\$5)	US-PGPUB; USPAT	OR	ON	2002/02/08 13:10
S29	10	375/344.ccls. and (frequency adj control\$5 adj oscillator\$)	US-PGPUB; USPAT	OR	ON	2002/02/08 13:28
S30	1	"6011818".pn.	US-PGPUB; USPAT	OR	ON	2002/02/08 14:21

S31	22	(331/1A.ccls. and (frequency adj range\$)) and (frequency adj (offset\$ or off-set\$))	US-PGPUB; USPAT	OR	ON	2002/02/08 15:38
S32	118	((frequency adj tun\$5) and (frequency adj range)) and (threshold adj value)	US-PGPUB; USPAT	OR	ON	2002/08/02 16:21
S33	109	((frequency adj tun\$5) and (frequency adj range)) and (threshold adj value)	USPAT	OR	ON	2002/08/02 16:21
S34	2226	(frequency adj tun\$5) and (frequency adj range)	US-PGPUB; USPAT	OR	ON	2002/08/02 16:57
S35	2226	(frequency adj tun\$5) and (frequency adj range)	US-PGPUB; USPAT	OR	ON	2002/08/02 17:46
S36	1	"6324225".pn.	US-PGPUB; USPAT	OR	ON	2002/08/02 17:02
S37	2111	(frequency adj tun\$5) and (frequency adj range)	USPAT	OR	ON	2002/08/02 17:52
S38	18	((frequency adj tun\$5) and (frequency adj range)) and (threshold adj frequenc\$4)	USPAT	OR	ON	2002/08/02 17:48
S39	400	((FM or AM) adj tuner)	USPAT	OR	ON	2002/08/06 10:56
S40	2111	(frequency adj tun\$5) and (frequency adj range)	USPAT	OR	ON	2002/08/06 09:43
S41	18	((frequency adj tun\$5) and (frequency adj range)) and (threshold adj frequenc\$5)	USPAT	OR	ON	2002/08/05 10:55
S42	71	((frequency adj tun\$5) and (frequency adj range)) and (FM adj receiver\$1)	USPAT	OR	ON	2002/08/05 13:38
S43	83	455/192.1.ccls.	USPAT	OR	ON	2002/08/05 14:56
S44	368	455/266.ccls.	USPAT	OR	ON	2002/08/05 15:25
S45	83	455/266.ccls. and (center adj frequenc\$5)	USPAT	OR	ON	2002/08/05 17:13
S46	0	455/266.ccls. and (comparing adj threshold adj frequenc\$5)	USPAT	OR	ON	2002/08/05 17:14
S47	1	455/266.ccls. and (comparing adj frequenc\$5)	USPAT	OR	ON	2002/08/05 17:14
S48	3	"375"/\$.ccls. and (frequency adj control\$4 adj oscillator\$) and (frequency adj compar\$5)	US-PGPUB; USPAT	OR	ON	2002/08/05 17:16
S49	53	(frequency adj tun\$5) and (frequency adj range) and (frequency adj comparator)	USPAT	OR	ON	2002/08/06 10:44
S50	1	"4142158".pn.	USPAT	OR	ON	2002/08/06 10:44
S51	83	compar\$5 adj received adj signal adj reference	USPAT	OR	ON	2002/08/06 11:04
S52	128461	compar\$5 adj frequency of received adj signal adj reference	USPAT	OR	ON	2002/08/06 11:06

S53	232	(compar\$5 adj frequency of received adj signal) near3 (reference adj frequency)	USPAT	OR	ON	2002/08/06 11:15
S54	2	((compar\$5 adj frequency of received adj signal) near3 (reference adj frequency)) and (FM adj tuner)	USPAT	OR	ON	2002/08/06 11:16
S55	48	455/180.3.ccls.	US-PGPUB; USPAT	OR	ON	2004/03/10 16:04
S56	100	455/192.1.ccls.	US-PGPUB; USPAT	OR	ON	2004/03/10 16:04
S57	58	"455"/\$.ccls. and (channel adj index\$5)	US-PGPUB; USPAT	OR	ON	2004/03/14 12:12
S58	1	"455"/\$.ccls. and (channel adj index\$5) and (automatic adj frequency adj control)	US-PGPUB; USPAT	OR	ON	2005/07/26 15:35
S59	2	"455"/\$.ccls. and (automatic adj frequency adj control) and (convert\$5 adj received adj signal adj frequency)	US-PGPUB; USPAT	OR	ON	2004/03/14 12:15
S60	0	"455"/\$.ccls. and (automatic adj frequency adj control) and (index\$5 adj received adj signal adj frequency)	US-PGPUB; USPAT	OR	ON	2004/03/14 12:16
S61	0	"455"/\$.ccls. and (automatic adj frequency adj control) and (index\$5 adj received adj frequency)	US-PGPUB; USPAT	OR	ON	2004/03/14 12:16
S62	2	"455"/\$.ccls. and (automatic adj frequency adj control) and (index\$5 adj frequency)	US-PGPUB; USPAT	OR	ON	2004/03/14 12:17
S63	0	"455"/\$.ccls. and (automatic adj frequency adj control) and((convert\$5 adj received adj frequency) near5 channel)	US-PGPUB; USPAT	OR	ON	2004/03/14 12:18
S64	0	"455"/\$.ccls. and (automatic adj frequency adj control) and ((convert\$5 adj received adj frequency) near5 channel)	US-PGPUB; USPAT	OR	ON	2004/03/14 12:18
S65	1	"455"/\$.ccls. and ((convert\$5 adj received adj frequency) near5 channel)	US-PGPUB; USPAT	OR	ON	2004/03/14 12:18
S66	0	"455"/\$.ccls. and ((convert\$5 adj received adj frequency) same index\$5)	US-PGPUB; USPAT	OR	ON	2004/03/14 12:19
S67	12	"455"/\$.ccls. and ((index\$5 same (received adj frequency)))	US-PGPUB; USPAT	OR	ON	2004/03/14 12:19
S68	1	"3794925".pn.	US-PGPUB; USPAT	OR	ON	2004/03/15 09:15
S69	839	"455"/\$.ccls. and (AFC)	USPAT	OR	ON	2004/03/15 09:17
S70	0	("455"/\$.ccls. and (AFC)) and (discrete adj input)	USPAT	OR	ON	2004/03/15 09:17



S71	129	("455"/\$.ccls. and (AFC)) and (discrete)	USPAT	OR	ON	2004/03/15 09:18
S72	0	("455"/\$.ccls. and (AFC)) and (discrete adj channel)	USPAT	OR	ON	2004/03/15 09:19
S73	0	("455"/\$.ccls. and (AFC)) and (index\$5 adj channel)	USPAT	OR	ON	2004/03/15 09:19
S74	48	tuning and (index\$5 adj channel)	USPAT	OR	ON	2004/03/15 09:21
S75	0	AFC and tuning and (index\$5 adj channel)	USPAT	OR	ON	2004/03/15 09:21
S76	155	AFC and tuning and (frequency adj synthesiz\$5)	USPAT	OR	ON	2004/03/15 09:32
S77	2	AFC and tuning and (index adj value)	USPAT	OR	ON	2004/03/15 09:33
S78	0	(automatic adj frequency adj control) and ((index adj value) near channel)	USPAT	OR	ON	2004/03/15 09:33
S79	18	(automatic adj frequency adj control) and ((index) near8 channel)	USPAT	OR	ON	2004/03/15 09:36
S80	44	(automatic adj frequency adj control) and (digital adj tun\$5)	USPAT	OR	ON	2004/03/15 09:36
S82	334	"455"/\$.ccls. and (Phase\$2 adj lock\$3 adj loop\$) and (frequency adj compar\$)	US-PGPUB; USPAT	OR	ON	2005/07/26 14:43
S83	111	"455"/\$.ccls. and (Phase\$2 adj lock\$3 adj loop\$) same (frequency adj compar\$)	US-PGPUB; USPAT	OR	ON	2005/07/26 14:46
S84	41	"455"/\$.ccls. and (Phase\$2 adj lock\$3 adj loop\$) and (frequency adj comparator) and (input adj frequency)	US-PGPUB; USPAT	OR	ON	2005/07/26 14:52
S85	17	("4709406").URPN.	USPAT	OR	ON	2005/07/26 14:52
S86	0	"455"/\$.ccls. and (Phase\$2 adj lock\$3 adj loop\$) and (frequency adj comparator) and (index\$5 near2 (received adj signal))	US-PGPUB; USPAT	OR	ON	2005/07/26 14:53
S87	1	"455"/\$.ccls. and (Phase\$2 adj lock\$3 adj loop\$) and (frequency adj comparator) and (index\$5 near2 (signal))	US-PGPUB; USPAT	OR	ON	2005/07/26 14:55
S88	2	"455"/\$.ccls. and (Phase\$2 adj lock\$3 adj loop\$) and (frequency adj comparator) and (index\$5 same (channel))	US-PGPUB; USPAT	OR	ON	2005/07/26 14:57
S89	0	"455"/\$.ccls. and (Phase\$2 adj lock\$3 adj loop\$) and (frequency adj comparator) and (index\$5 adj value) and (channel)	US-PGPUB; USPAT	OR	ON	2005/07/26 14:57
S90	0	"455"/\$.ccls. and (Phase\$2 adj lock\$3 adj loop\$) and (frequency adj comparator) and (index\$5 adj value)	US-PGPUB; USPAT	OR	ON	2005/07/26 14:57

S91	13	"455"/\$.ccls. and (Phase\$2 adj lock\$3 adj loop\$) and (frequency adj comparator) and (index\$5) and channel	US-PGPUB; USPAT	OR	ON	2005/07/26 14:59
S92	1	"455"/\$.ccls. and (Phase\$2 adj lock\$3 adj loop\$) and (frequency adj comparator) and (channel near2 index)	US-PGPUB; USPAT	OR	ON	2005/07/26 15:00
S93	0	"455"/\$.ccls. and (afc) and (frequency adj comparator) and (channel near2 index)	US-PGPUB; USPAT	OR	ON	2005/07/26 15:00
S94	37	"455"/\$.ccls. and (automatic adj frequency) and (frequency adj comparator)	US-PGPUB; USPAT	OR	ON	2005/07/26 15:12
S95	0	"455"/\$.ccls. and ((center adj frequency) same (threshold adj frequency)) and (frequency adj comparator)	US-PGPUB; USPAT	OR	ON	2005/07/26 15:12
S96	0	((center adj frequency) same (threshold adj frequency)) and (frequency adj comparator)	US-PGPUB; USPAT	OR	ON	2005/07/26 15:12
S97	19	((center adj frequency) same (threshold)) and (frequency adj comparator)	US-PGPUB; USPAT	OR	ON	2005/07/26 15:14
S98	4	"455"/\$.ccls. and ((center adj frequency) with (frequency adj comparator))	US-PGPUB; USPAT	OR	ON	2005/07/26 15:20
S99	13	"455"/\$.ccls. and ((center adj frequency) with (threshold)) and AFC	US-PGPUB; USPAT	OR	ON	2005/07/26 15:24
S100	0	"455"/\$.ccls. and ((compar\$5 adj center adj frequency)) and AFC	US-PGPUB; USPAT	OR	ON	2005/07/26 15:24
S101	17	"455"/\$.ccls. and ((compar\$5 adj threshold)) and AFC	US-PGPUB; USPAT	OR	ON	2005/07/26 15:25
S102	0	"455"/\$.ccls. and ((compar\$5 adj threshold adj frequency)) and AFC	US-PGPUB; USPAT	OR	ON	2005/07/26 15:25
S103	0	"455"/\$.ccls. and (compar\$ adj desired adj reception adj channel) and (automatic adj frequency adj control)	US-PGPUB; USPAT	OR	ON	2005/07/26 15:35
S104	0	"455"/\$.ccls. and (compar\$ adj desired adj reception adj frequency) and (automatic adj frequency adj control)	US-PGPUB; USPAT	OR	ON	2005/07/26 16:01
S105	1	"4709406".pn.	US-PGPUB; USPAT	OR	ON	2005/07/26 15:44
S106	0	"455"/\$.ccls. and (predetermined adj IF) and (center adj frequency)	US-PGPUB; USPAT	OR	ON	2005/07/26 16:01
S107	3713	"455"/\$.ccls. and (center adj frequency)	US-PGPUB; USPAT	OR	ON	2005/07/26 16:02

S10 8	180	"455"/\$.ccls. and (compar\$5 with (center adj frequency))	US-PGPUB; USPAT	OR	ON	2005/07/26 16:02
S10 9	0	"375"/\$.ccls. and 455/164.2.ccls. and ((frequency adj comparator) same (center adj frequency) same threshold)	US-PGPUB; USPAT	OR	ON	2005/07/27 10:21
S11 0	0	"375"/\$.ccls. and 455/164.2.ccls. and ((frequency adj comparator) same (center adj frequency))	US-PGPUB; USPAT	OR	ON	2005/07/27 10:21
S11 1	0	"375"/\$.ccls. and 455/164.2.ccls. and ((frequency adj comparator) and (center adj frequency))	US-PGPUB; USPAT	OR	ON	2005/07/27 10:21
S11 2	3	455/164.2.ccls. and ((frequency adj comparator) and (center adj frequency))	US-PGPUB; USPAT	OR	ON	2005/07/27 10:37
S11 3	1	455/164.2.ccls. and ( (center adj frequency) same (threshold))	US-PGPUB; USPAT	OR	ON	2005/07/27 10:39
S11 4	6	455/164.1.ccls. and ( (center adj frequency) same (threshold))	US-PGPUB; USPAT	OR	ON	2005/07/27 10:44
S11 5	9	("3947774").URPN.	USPAT	OR	ON	2005/07/27 10:42
S11 6	2	455/165.1.ccls. and ( (center adj frequency) same (threshold))	US-PGPUB; USPAT	OR	ON	2005/07/27 10:45
S11 7	131	455/165.1.ccls. and ( frequency comparator)	US-PGPUB; USPAT	OR	ON	2005/07/27 10:45
S11 8	11	455/165.1.ccls. and ( frequency adj comparator)	US-PGPUB; USPAT	OR	ON	2005/07/27 10:49
S11 9	1	455/161.1.ccls. and ( frequency adj comparator)	US-PGPUB; USPAT	OR	ON	2005/07/27 10:53
S12 0	5	"455"/\$.ccls. and (( frequency adj comparator) same (center adj frequency))	US-PGPUB; USPAT	OR	ON	2005/07/27 10:55
S12 1	177	"455"/\$.ccls. and (threshold same (center adj frequency))	US-PGPUB; USPAT	OR	ON	2005/07/27 10:57
S12 2	5	"455"/\$.ccls. and (threshold same (center adj frequency)) and (frequency adj comparator)	US-PGPUB; USPAT	OR	ON	2005/07/27 10:58
S12 3	17	"455"/\$.ccls. and (FM adj receiver) and (frequency adj comparator)	US-PGPUB; USPAT	OR	ON	2005/07/28 16:36
S12 4	13	("3942121").URPN.	USPAT	OR	ON	2005/07/28 16:25
S12 5	0	"324"/\$.ccls. and (FM adj receiver) and (frequency adj comparator)	US-PGPUB; USPAT	OR	ON	2005/07/28 16:37
S12 6	6	"375"/\$.ccls. and (FM adj receiver) and (frequency adj comparator)	US-PGPUB; USPAT	OR	ON	2005/07/28 16:37

S12 7	5	"455"/\$.ccls. and ((frequency adj comparator) same (center adj frequency))	US-PGPUB; USPAT	OR	ON	2005/07/28 16:41
S12 8	53	"455"/\$.ccls. and ((frequency adj comparator) and (center adj frequency))	US-PGPUB; USPAT	OR	ON	2005/08/03 15:16
S12 9	1	"4142158".pn.	US-PGPUB; USPAT	OR	ON	2005/07/28 16:44
S13 0	1	"4163259".pn.	US-PGPUB; USPAT	OR	ON	2005/08/03 14:28
S13 1	1	"3961266".pn.	US-PGPUB; USPAT	OR	ON	2005/08/03 14:28
S13 2	898	"455"/\$.ccls. and ((Phase\$lock\$3 adj loop\$) with (oscillator))	US-PGPUB; USPAT	OR	ON	2005/08/03 14:30
S13 3	267	"455"/\$.ccls. and ((Phase\$lock\$3 adj loop\$) near2 (oscillator))	US-PGPUB; USPAT	OR	ON	2005/08/03 14:31
S13 4	23	"455"/\$.ccls. and ((Phase\$lock\$3 adj loop\$) near2 (oscillator)) and (FM adj receiver)	US-PGPUB; USPAT	OR	ON	2005/08/03 15:34
S13 5	1	"3961266".pn.	US-PGPUB; USPAT	OR	ON	2005/08/03 15:15
S13 6	14	"455"/\$.ccls. and ((frequency adj comparator) and (center adj frequency)) and (frequency adj offset)	US-PGPUB; USPAT	OR	ON	2005/08/03 15:16
S13 7	1	"4163259".pn.	US-PGPUB; USPAT	OR	ON	2005/08/03 15:23
S13 8	7	("4163259").URPN.	USPAT	OR	ON	2005/08/03 15:23
S13 9	1	"4240115".PN.	USPAT; USOCR	OR	ON	2005/08/03 15:27
S14 0	0	"455"/\$.ccls. and (frequency adj comparator) and (tv adj tuner) and (add adj offset)	US-PGPUB; USPAT	OR	ON	2005/08/03 15:43
S14 1	3	"455"/\$.ccls. and (frequency adj comparator) and (tv adj tuner)	US-PGPUB; USPAT	OR	ON	2005/08/03 15:41
S14 2	10	"455"/\$.ccls. and (conventional adj tv adj tuner)	US-PGPUB; USPAT	OR	ON	2005/08/03 15:41
S14 3	23	("4340975").URPN.	USPAT	OR	ON	2005/08/03 15:42
S14 4	8	"455"/\$.ccls. and ((frequency adj comparator) same threshold)	US-PGPUB; USPAT	OR	ON	2005/08/03 15:45
S14 5	0	"455"/\$.ccls. and ((frequency adj comparator) same threshold) and (fm adj receiver)	US-PGPUB; USPAT	OR	ON	2005/08/03 15:45
S14 6	0	"455"/\$.ccls. and ((frequency adj comparator) same (frequency adj threshold))	US-PGPUB; USPAT	OR	ON	2005/08/03 15:46

S14 7	0	"375"/\$.ccls. and ((frequency adj comparator) same (frequency adj threshold))	US-PGPUB; USPAT	OR	ON	2005/08/03 15:46
S14 8	5	"375"/\$.ccls. and ((frequency adj comparator) and (frequency adj threshold))	US-PGPUB; USPAT	OR	ON	2005/08/03 15:48
S14 9	1	"455"/180.3.ccls. and ((frequency adj comparator) and (frequency adj threshold))	US-PGPUB; USPAT	OR	ON	2005/08/03 15:49
S15 0	1	"455"/180.3.ccls. and ((frequency adj comparator) and threshold)	US-PGPUB; USPAT	OR	ON	2005/08/03 15:49
S15 1	4	"455"/180.3.ccls. and (frequency adj comparator)	US-PGPUB; USPAT	OR	ON	2005/08/03 15:54
S15 2	1	"4142158".pn.	US-PGPUB; USPAT	OR	ON	2005/08/03 16:10
S15 3	1	"3961266".pn.	US-PGPUB; USPAT	OR	ON	2005/08/03 16:10
S15 4	1	"4142158".pn.	US-PGPUB; USPAT	OR	ON	2005/08/04 10:01
S15 5	1	"4163259".pn.	US-PGPUB; USPAT	OR	ON	2005/08/04 13:54
S15 6	173	"455"/\$.ccls. and ((local adj oscillator) near2 PLL)	US-PGPUB; USPAT	OR	ON	2005/08/04 14:36
S15 7	14	"5307515"	US-PGPUB; USPAT	OR	ON	2005/08/04 14:36
S15 8	1	"5307515".pn.	US-PGPUB; USPAT	OR	ON	2005/08/04 14:36
S15 9	1	"4142158".pn.	US-PGPUB; USPAT	OR	ON	2006/01/18 09:38
S16 0	250	455/183.1.ccls.	US-PGPUB; USPAT	OR	ON	2006/01/18 09:38
S16 1	13	("4142158").URPN.	USPAT	OR	ON	2006/01/18 09:38
S16 2	5	455/183.1.ccls. and (compar\$5 with (center adj frequency))	US-PGPUB; USPAT	OR	ON	2006/01/18 09:54
S16 3	1	455/183.1.ccls. and (compar\$5 with (center adj frequency) with input )	US-PGPUB; USPAT	OR	ON	2006/01/18 09:55
S16 4	0	455/183.1.ccls. and (compar\$5 with (center adj frequency) with desired )	US-PGPUB; USPAT	OR	ON	2006/01/18 09:55
S16 5	0	455/179.1.ccls. and (compar\$5 with (center adj frequency) with desired )	US-PGPUB; USPAT	OR	ON	2006/01/18 09:55
S16 6	2	455/179.1.ccls. and (compar\$5 with (center adj frequency))	US-PGPUB; USPAT	OR	ON	2006/01/18 09:56
S16 7	3	455/180.3.ccls. and (compar\$5 with (center adj frequency))	US-PGPUB; USPAT	OR	ON	2006/01/18 10:00

S16 8	5	455/182.3.ccls. and (compar\$5 with (center adj frequency))	US-PGPUB; USPAT	OR	ON	2006/01/18 10:10
S16 9	0	455/182.3.ccls. and ((compar\$5 with (center adj frequency)) same offset)	US-PGPUB; USPAT	OR	ON	2006/01/18 10:10
S17 0	9	455/182.3.ccls. and (tun\$5 with oscillator with (frequency adj range))	US-PGPUB; USPAT	OR	ON	2006/01/18 10:17
S17 1	7	455/182.1.ccls. and (tun\$5 with oscillator with (frequency adj range))	US-PGPUB; USPAT	OR	ON	2006/01/18 10:19
S17 2	9	455/180.3.ccls. and (tun\$5 with oscillator with (frequency adj range))	US-PGPUB; USPAT	OR	ON	2006/01/18 10:25
S17 3	0	455/180.3.ccls. and ((tun\$5 with oscillator with (frequency adj range)) same (predetermined adj fixed adj IF))	US-PGPUB; USPAT	OR	ON	2006/01/18 10:23
S17 4	0	"455"/\$.ccls. and ((tun\$5 with oscillator with (frequency adj range)) same (predetermined adj fixed adj IF))	US-PGPUB; USPAT	OR	ON	2006/01/18 10:23
S17 5	0	((tun\$5 with oscillator with (frequency adj range)) same (predetermined adj fixed adj IF))	US-PGPUB; USPAT	OR	ON	2006/01/18 10:23
S17 6	0	((tun\$5 with (frequency adj range)) same (predetermined adj fixed adj IF))	US-PGPUB; USPAT	OR	ON	2006/01/18 10:23
S17 7	0	((tun\$5 with (frequency adj range)) and (predetermined adj fixed adj IF))	US-PGPUB; USPAT	OR	ON	2006/01/18 10:23
S17 8	0	((tun\$5 with (frequency adj range)) and (predetermined near fixed near IF))	US-PGPUB; USPAT	OR	ON	2006/01/18 10:24
S17 9	0	((tun\$5 with (frequency adj range)) and ( fixed near IF))	US-PGPUB; USPAT	OR	ON	2006/01/18 10:24
S18 0	0	455/180.3.ccls. and (predetermined adj fix\$3 adj IF)	US-PGPUB; USPAT	OR	ON	2006/01/18 10:25
S18 1	0	455/180.3.ccls. and (predetermined adj fix\$3 adj "IF")	US-PGPUB; USPAT	OR	ON	2006/01/18 10:25
S18 2	0	455/179.1.ccls. and (predetermined adj fix\$3 adj "IF")	US-PGPUB; USPAT	OR	ON	2006/01/18 10:26
S18 3	2	455/179.1.ccls. and (predetermined adj fix\$3 )	US-PGPUB; USPAT	OR	ON	2006/01/18 10:26
S18 4	0	455/179.1.ccls. and (predetermined adj fix\$3 adj intermediate)	US-PGPUB; USPAT	OR	ON	2006/01/18 10:26
S18 5	0	455/185.1.ccls. and (predetermined adj fix\$3 adj intermediate)	US-PGPUB; USPAT	OR	ON	2006/01/18 10:27
S18 6	0	455/183.2.ccls. and (predetermined adj fix\$3 adj intermediate)	US-PGPUB; USPAT	OR	ON	2006/01/18 10:27
S18 7	0	455/183.2.ccls. and ( fix\$3 adj intermediate)	US-PGPUB; USPAT	OR	ON	2006/01/18 10:27

S18 8	1	455/182.3.ccls. and ( fix\$3 adj intermediate)	US-PGPUB; USPAT	OR	ON	2006/01/18 10:27
S18 9	1	"3883807".pn.	US-PGPUB; USPAT	OR	ON	2006/01/21 10:53
S19 0	1	"3883807".pn.	US-PGPUB; USPAT	OR	ON	2006/01/22 13:42
S19 1	318	"455"/\$.ccls. and (tuning near input)	US-PGPUB; USPAT	OR	ON	2006/01/22 13:42
S19 2	132	"455"/\$.ccls. and (tuning adj input)	US-PGPUB; USPAT	OR	ON	2006/01/22 13:43
S19 3	6	"455"/\$.ccls. and (tuning adj input) and (compar\$5 with (center adj frequency))	US-PGPUB; USPAT	OR	ON	2006/01/22 13:46
S19 4	22	"455"/\$.ccls. and (channel adj input) and (compar\$5 with (center adj frequency))	US-PGPUB; USPAT	OR	ON	2006/01/22 13:48
S19 5	0	"455"/324.ccls. and (channel adj input) and (compar\$5 with (center adj frequency))	US-PGPUB; USPAT	OR	ON	2006/01/22 13:48
S19 6	0	"455"/324.ccls. and (channel near input) and (compar\$5 with (center adj frequency))	US-PGPUB; USPAT	OR	ON	2006/01/22 13:48
S19 7	0	"455"/324.ccls. and (compar\$5 with input with (center adj frequency))	US-PGPUB; USPAT	OR	ON	2006/01/22 13:49
S19 8	38	"455"/\$.ccls. and (compar\$5 with input with (center adj frequency))	US-PGPUB; USPAT	OR	ON	2006/01/22 13:49
S19 9	0	"455"/\$.ccls. and (compar\$ with (input adj channel) with (center adj frequency))	US-PGPUB; USPAT	OR	ON	2006/01/22 19:10
S20 0	38	"455"/\$.ccls. and (compar\$ with (input ) with (center adj frequency))	US-PGPUB; USPAT	OR	ON	2006/01/22 19:12
S20 1	54	"455"/\$.ccls. and (tun\$ near2 oscillator near2 (frequency adj ranges))	US-PGPUB; USPAT	OR	ON	2006/01/22 19:16
S20 2	0	"455"/\$.ccls. and (television adj receiver) and (center adj frequency adj vHS adj range)	US-PGPUB; USPAT	OR	ON	2006/01/22 19:18
S20 3	1	"455"/\$.ccls. and (television adj receiver) and (center adj frequency adj predetermin\$5 adj range)	US-PGPUB; USPAT	OR	ON	2006/01/22 19:21
S20 4	0	"455"/\$.ccls. and (compar\$5 with (center adj frequency adj predetermin\$5 adj range))	US-PGPUB; USPAT	OR	ON	2006/01/22 19:22
S20 5	64	"455"/\$.ccls. and (compar\$5 near3 (center adj frequency))	US-PGPUB; USPAT	OR	ON	2006/01/22 19:23
S20 6	20	"455"/\$.ccls. and (compar\$5 near (center adj frequency))	US-PGPUB; USPAT	OR	ON	2006/01/22 19:22

S20 7	17	"455"/\$.ccls. and (compar\$5 near3 (center adj frequency)) and (input near channel)	US-PGPUB; USPAT	OR	ON	2006/01/22 19:25
S20 8	1	"455"/\$.ccls. and (HS adj tuner)	US-PGPUB; USPAT	OR	ON	2006/01/22 19:25
S20 9	1	"455"/\$.ccls. and (vHS adj tuner)	US-PGPUB; USPAT	OR	ON	2006/01/22 19:45
S21 0	1	"3883807".pn.	US-PGPUB; USPAT	OR	ON	2006/01/22 19:25
S21 1	11	("3883807").URPN.	USPAT	OR	ON	2006/01/22 19:26
S21 2	293	"455"/\$.ccls. and (FM adj tuner)	US-PGPUB; USPAT	OR	ON	2006/01/22 19:46
S21 3	48	"455"/\$.ccls. and (FM adj tuner) and comparator	US-PGPUB; USPAT	OR	ON	2006/01/22 19:55
S21 4	0	"455"/\$.ccls. and (FM adj tuner) and (coarse adj tun\$5)	US-PGPUB; USPAT	OR	ON	2006/01/22 19:55
S21 5	21	"455"/\$.ccls. and (tv adj tuner) and (coarse adj tun\$5)	US-PGPUB; USPAT	OR	ON	2006/01/22 19:58
S21 6	0	"455"/\$.ccls. and (fm adj tuner) and (coarse adj tun\$5)	US-PGPUB; USPAT	OR	ON	2006/01/22 19:58
S21 7	0	(fm adj tuner) and (coarse adj tun\$5)	US-PGPUB; USPAT	OR	ON	2006/01/22 19:58
S21 8	12	(fm adj tuner) and (range adj tun\$5)	US-PGPUB; USPAT	OR	ON	2006/01/22 19:59
S21 9	16729	(if frequency) with fm	US-PGPUB; USPAT	OR	ON	2006/01/22 19:59
S22 0	72188	"455"/\$.ccls. (((if frequency) with fm) same tuner)	US-PGPUB; USPAT	OR	ON	2006/01/22 20:00
S22 1	71835	"455"/\$.ccls. (((if frequency) with fm) same (FM adj tuner))	US-PGPUB; USPAT	OR	ON	2006/01/22 20:00
S22 2	71734	"455"/\$.ccls. (((if adj frequency) with fm) same (FM adj tuner))	US-PGPUB; USPAT	OR	ON	2006/01/22 20:00